

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("3538230").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/17 11:14
S2	158	"0003676"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 13:28
S3	722668	oral care and toothpaste and mouthwash and cationic monomer and anionic monomer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 13:31
S4	1479420	oral care and toothpaste and mouthwash and ar-vinylbenzyl trimethylammonium chloride monomer and anionic monomer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 13:32
S5	26558	(oral care and toothpaste and mouthwash) and (ar-vinylbenzyl trimethylammonium chloride monomer) and (anionic monomer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 13:33
S6	1003	(oral care and toothpaste and mouthwash) and (ar-vinylbenzyl trimethylammonium chloride monomer) and (vinylacetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 14:23
S7	10	(oral care toothpaste mouthwash) with (ar-vinylbenzyl trimethylammonium chloride monomer) with (vinylacetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 13:59
S8	537	(oral care and toothpaste and mouthwash) with (cationic monomer) and (vinyl acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 15:30
S10	85	(oral care and toothpaste and mouthwash) with (styrene) and (vinyl phosphonic acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 15:37
S11	35798	(oral care toothpaste mouthwash) with (styrene vinyl phosphonic acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 15:38

S12	143	(oral care toothpaste mouthwash) with (styrene) with ( vinyl phosphonic acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 15:40
S13	12915	(oral care toothpaste mouthwash) with (cationic mono polymer) with (anionic mono polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 15:52
S14	2699240	oral care toothpaste mouthwash with cationic mono polymer with anionic mono polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:06
S15	27	"5096699"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:16
S16	11	"4327977"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:17
S17	18	"4889713"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:19
S18	18	"5139769"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:20
S19	16	"5017362"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:22
S20	23	"4921693"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:41
S21	6	"2005003998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:42

S22	2	"20050032998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 16:59
S23	204	(vinyl phosphonic acid methacryloxyl ethyl trimetyl ammonium chloride) with (hydroxy ethyl acrylate)with (toothpase mouthwash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 17:16
S24	1156	424/48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 18:42
S25	497	424/48 and toothpaste	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 18:43
S26	0	424/48 and toothpaste with co-monomers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/17 18:43
S27	2	(vinylphosphonic acid) with (methacryloxyl ethyl trimetyl ammonium chloride) with (2-hydroxyethylacrylate)with (toothpase mouthwash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 11:32
S28	2	(vinylphosphonic acid) with (methacryloxyl ethyl trimetyl ammonium chloride) with (hydroxyethylacrylate)with (toothpase mouthwash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 09:09
S29	17	(vinylphosphonic acid) and (methacryloxyl ethyl trimetyl ammonium chloride) and (hydroxyethylacrylate)and(toothpas te mouthwash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 11:23
S30	412	(vinylphosphonic acid) and (methacryloxyl ethyl trimetyl ammonium chloride) and (hydroxyethylacrylate)and(toothpas te mouthwash chewing gum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 11:27
S31	3	"6821507"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 11:27

S32	0	(vinylphosphonic acid) with (methacryloxy) ethyl trimetyl ammonium chloride) with (2-hydroxyethylacrylate)with (toothpase mouthwash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2005/11/18 11:32
S33	740	(oral care and toothpaste and mouthwash) with (cationic monomer) and (anionic monomer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/18 11:32

=> d his

(FILE 'HOME' ENTERED AT 10:37:49 ON 18 NOV 2005)

L1 FILE 'HCAPLUS' ENTERED AT 10:38:00 ON 18 NOV 2005  
4 US2005063918/PN OR US2003-665710# /AP,PRN

FILE 'REGISTRY' ENTERED AT 10:39:46 ON 18 NOV 2005

L2 FILE 'HCAPLUS' ENTERED AT 10:39:46 ON 18 NOV 2005  
TRA L1 1- RN : 41 TERMS

L3 FILE 'REGISTRY' ENTERED AT 10:39:47 ON 18 NOV 2005  
41 SEA L2  
L4 40 L3 AND PMS/CI  
L5 5 L4 AND P/ELS  
L6 1 ACRYLIC ACID/CN

FILE 'STNGUIDE' ENTERED AT 10:48:31 ON 18 NOV 2005

FILE 'REGISTRY' ENTERED AT 10:52:19 ON 18 NOV 2005  
SEL RN 1-2 L5  
L7 2 E1-2 AND L5

L8 FILE 'HCAPLUS' ENTERED AT 10:53:01 ON 18 NOV 2005  
2 L7

FILE 'REGISTRY' ENTERED AT 10:53:16 ON 18 NOV 2005  
L9 1 1746-03-8  
L10 320 1746-03-8/CRN  
L11 1 818-61-1  
L12 17338 818-61-1/CRN  
L13 1 5039-78-1  
L14 1288 5039-78-1/CRN  
L15 1 13880-05-2  
L16 173 13880-05-2/CRN

FILE 'REGISTRY' ENTERED AT 10:54:56 ON 18 NOV 2005

FILE 'REGISTRY' ENTERED AT 10:55:49 ON 18 NOV 2005  
L17 1 L10 AND L12 AND L14  
L18 1 L10 AND L16  
L19 2 L17-18

L20 FILE 'HCAPLUS' ENTERED AT 10:57:01 ON 18 NOV 2005  
2 L19

L21 FILE 'HCAPLUS' ENTERED AT 10:58:47 ON 18 NOV 2005  
2 L9 AND L11 AND L13  
L22 0 L9 AND L15

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FILE LAST UPDATED: 17 Nov 2005 (20051117/ED)

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=> s 1746-03-8/crn

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L2 550 L1

=> s 818-61-1/crn

**REGISTRY INITIATED**

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L4 12250 L3

=> s 5039-78-1/crn

**REGISTRY INITIATED**

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L6 3781 L5

=> s 12 and 13 and 14

12250 L3

L7 16 L2 AND L3 AND L4

=> s 12 (L) 13 (L) 14

=&gt; d 1-9 bib abs

L8 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:259335 CAPLUS

DN 142:322379

TI Oral care compositions comprising a polymer obtained from cationic monomers and anionic or neutral monomers

IN Charmot, Dominique; Gibbs, Christopher David; Kolosov, Oleg; Liu, Mingjun; Nguyen, Son Hoai; Petro, Miroslav; Rannard, Steven Paul

PA Unilever Home &amp; Personal Care USA, USA

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005063921	A1	20050324	US 2003-666489	20030919
	WO 2005027862	A1	20050331	WO 2004-EP9267	20040818
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2003-665710 A 20030919

US 2003-665711 A 20030919

US 2003-666487 A 20030919

US 2003-666489 A 20030919

AB Oral care comps. comprise a polymer obtained by copolymg. a mixture of comonomers, said mixture comprising: (a) a cationic monomer selected from (ar-vinylbenzyl) trimethylammonium chloride, (dimethylaminopropyl) methacrylamide, [2(methacryloyloxy)ethyl]trimethylammonium chloride, 2-aminoethylmethacrylate hydrochloride and mixts. thereof; and (b) at least one anionic or neutral monomer selected from styrene, mono-2-(methacryloyl)ethyl succinate, vinyl acetate, N, N-dimethylacrylamide, 2-ethylhexylacrylate, vinylphosphonic acid, acrylic acid, 2-acrylamido-2-methyl-1-propanesulfonic acid, N-[tris(hydroxymethyl)methyl] acrylamide, N-vinylpyrrolidone, Bu acrylate, 2-hydroxyethylacrylate, polyethyleneglycol methylethermethacrylate and mixts. thereof, said oral care composition is in the form of any one of a toothpaste, gel, foam, chewing gum, deformable strip or mouthwash and which is suitable for use in the oral cavity. (ar-vinylbenzyl) trimethylammonium chloride-styrene-N-[tris (hydroxymethyl)methyl]acrylamide copolymer was prepared Adsorption of the polymer to hydroxyapatite disks and pig tongue was studied.

L8 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:259332 CAPLUS

DN 142:322376

TI Oral dentifrice compositions comprising cationic polymers

IN Charmot, Dominique; Gibbs, Christopher David; Kolosov, Oleg; Liu, Mingjun; Nguyen, Son Hoai; Petro, Miroslav; Rannard, Steven Paul

PA Unilever Home &amp; Personal Care USA, USA

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent



LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005063918	A1	20050324	US 2003-665710	20030919
	WO 2005027862	A1	20050331	WO 2004-EP9267	20040818
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2003-665710	A	20030919		
	US 2003-665711	A	20030919		
	US 2003-666487	A	20030919		
	US 2003-666489	A	20030919		

AB Oral care composition containing a polymer obtainable by copolyng. a mixture of comonomers, in which 40 mol% of the mixture of comonomers is constituted by a comonomer, e.g., H<sub>2</sub>C:CR(X)<sub>n</sub>Y (where R = H or Me, X = divalent organic linking group, n = 0 or 1, and Y is a carboxylate or phosphonate anion), and in which the balance of the mixture of comonomers is constituted by neutral and/or cationic comonomers; the composition being in the form of any one of a toothpaste, gel, foam, chewing gum, deformable strip or mouthwash and being suitable for use in the oral cavity. (ar-vinylbenzyl)trimethylammonium chloride-styrene-N-[tris(hydroxymethyl)methyl]acrylamide copolymer was prepared Adsorption of the polymer to hydroxyapatite disks and pig tongue was studied.

L8 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:141130 CAPLUS

DN 142:221262

TI Phosphonic acid-modified microgel dispersion

IN Mueller, Horst

PA Bollig & Kemper G.m.b.H. & Co. K.-G., Germany

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005014678	A1	20050217	WO 2004-IB51403	20040805
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10336770	A1	20050310	DE 2003-10336770	20030808
PRAI	DE 2003-10336770	A	20030808		

AB An emulsifier-free water-thinnable microgel prepared by producing a OH- and COOH-group-containing polyacrylate in the presence of ≥1 phosphonic group-containing compound is used in water-thinnable base coats for the automobile industry. Thus, an acrylic dispersion prepared by radical polymerization of a mixture containing styrene, Bu methacrylate, lauryl acrylate,

2-hydroxy ethylacrylate, vinylphosphonic acid and acrylic acid in Bu alc.  
2 h at 120°, neutralized with dimethylethanolamine and crosslinked  
with melamine resin (Cymel 327) is burned together with polyester- and  
polyurethane dispersion (30 min at 140°) to get a base coat for  
steel.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:354985 CAPLUS  
DN 140:358986  
TI Phosphonic acid-modified microgel dispersion  
IN Mueller, Horst  
PA Bollig & Kemper G.m.b.H. & Co. K.-G., Germany  
SO PCT Int. Appl., 43 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035642	A1	20040429	WO 2003-DE3419	20031013
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10247847	A1	20040422	DE 2002-10247847	20021014
	DE 10336770	A1	20050310	DE 2003-10336770	20030808
	EP 1554323	A1	20050720	EP 2003-773533	20031013
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	DE 2002-10247847	A	20021014		
	DE 2003-10336770	A	20030808		
	WO 2003-DE3419	W	20031013		
AB	Emulsifier-free microgel dispersions are prepared by polymerizing monounsaturated or polyunsaturated hydroxyl- and carboxy-group-containing acrylic and aromatic monomers in the presence of phosphonic acid derivs. (e.g., reaction products of alkylphosphonic acids with epoxides or vinylphosphonic acid) in an aqueous medium with subsequent crosslinking with aminoplast (e.g., melamine resin), and, optionally, emulsion radical polymerization with hydroxyl-containing monomer. The title microgel dispersion is useful for base coat manufacturing in automotive finishes (in composition containing polyurethane and polyester dispersion with Al bronze in water/butyl glycol at pH 8.0-8.3) to enhance a metallic effect and adhesion to polycarbonate.				

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001:903769 CAPLUS  
DN 136:42566  
TI Antiplaque aqueous oral composition comprising water-soluble copolymer  
IN Bergeron, Vance; Labeau, Marie-Pierre  
PA Rhodia Chimie, Fr.  
SO PCT Int. Appl., 18 pp.  
CODEN: PIXXD2

DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001093820	A1	20011213	WO 2001-FR1710	20010601
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2809617	A1	20011207	FR 2000-7144	20000605
	FR 2809617	B1	20020712		
PRAI	FR 2000-7144	A	20000605		

AB The invention concerns an antiplaque oral composition comprising an aqueous carrier, a bactericidal agent and a water-soluble copolymer (C), said copolymer comprising a backbone (B) derived from an oxyalkylene oligomer or polymer (AO), and several grafts (G) derived from polymerization of: a water soluble ethylenically unsatd. carboxylic, sulfonic acid monomer (A), or one of its water soluble salts; and a water soluble ester monomer (E) of ethylenically unsatd. carboxylic acid; and of a water soluble ethylenically unsatd. phosphonated or phosphated monomer (P); the resp. amts. of monomers (A), (E) and (P) corresponding to 10 to 90 parts of (A)/ 10 to 70 parts of (E)/ 0.1 to 50 parts of (P), for 100 parts of the total of monomers (A), (E) and (P) of the grafts (G), the relative amts. of backbone (B) and of grafts (G) corresponding to a (B)/(G) mass ratio from 10/90 to 80/20; the average mole weight of said copolymer (C) being 50000 to 2000000. A copolymer was prepared by the reaction of acrylic acid, hydroxyethyl acrylate (I), vinyl phosphonic acid (II), Antarox SC138 where the ratio of II:I was 5:9.3. The antiplaque activity of the polymer (absorption of triclosan on the hydroxyapatite disk) was 53%.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:289992 CAPLUS  
DN 124:319214  
TI Water-soluble adhesive compositions, especially for bonding paper  
IN Czech, Zbigniew  
PA Lohmann Gmbh & Co. Kg, Germany  
SO Eur. Pat. Appl., 9 pp.  
CODEN: EPXXDW

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 699726	A2	19960306	EP 1995-112730	19950812
	EP 699726	A3	19980107		
	EP 699726	B1	19990421		
	R: BE, DE, FR, IT				
	DE 4431053	A1	19960307	DE 1994-4431053	19940901
PRAI	DE 1994-4431053	A	19940901		

AB The title compns. contain a water-soluble copolymer of an unsatd. carboxylic acid, a C1-12 alkyl (meth)acrylate, and a polymerizable photoinitiator and a water-soluble plasticizer having mol. weight  $\leq 4000$ . The compns. are useful for splicing the ends of rolls of paper, for labels, on tapes for use on packages, etc. An adhesive comprised an acrylic acid-4-(2-acryloyloxyethyl)phenyl 2-hydroxy-2-Pr ketone-Bu acrylate copolymer and polyethylene glycol (mol. weight 400).

L8 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:789160 CAPLUS  
 DN 123:170591  
 TI Polymers of alkenesulfonic acids and vinylphosphonic acid or derivatives  
 IN Hoffmann, Herrmann; Buch, Wolfgang; Gulden, Walter; Engelhardt, Fritz;  
 Funk, Ruediger H.; Tardy, Aranka  
 PA Hoechst A.-G., Germany  
 SO Eur. Pat. Appl., 17 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 643081	A1	19950315	EP 1994-113443	19940829
	R: DE, DK, GB, NL				
	DE 4330699	A1	19950316	DE 1993-4330699	19930910
	NO 9403335	A	19950313	NO 1994-3335	19940909
	JP 07173226	A2	19950711	JP 1994-216391	19940909
PRAI	DE 1993-4330699	A	19930910		

AB Polymers useful in saline waters as alkaline earth sulfate and CaCO<sub>3</sub> deposition inhibitors contain 50-99.5% alkenesulfonic acids  
 CH<sub>2</sub>:C(R<sub>1</sub>)ZSO<sub>3</sub>R<sub>2</sub> [R<sub>1</sub> = H, Ph, alkyl; R<sub>2</sub> = H, alkyl, NH<sub>4</sub>, alkali metal or alkaline earth ion; Z = (CH<sub>2</sub>)<sub>n</sub> (n = 0-4)] and 50-0.5% phosphonic acid derivative  
 CH<sub>2</sub>:CHPO(OR<sub>1</sub>)(OR<sub>2</sub>) (R<sub>1</sub>, R<sub>2</sub> = H, alkyl, NH<sub>4</sub>, alkali metal or alkaline earth ion). Persulfate-initiated polymerization of 90 g ethenesulfonic acid and 10 g vinylphosphonic acid in 120 g H<sub>2</sub>O at 60° gave a clear, slightly viscous solution of copolymer (I) with weight-average mol. weight 10,000. The min. concentration of I required to inhibit mineral deposit formation (BaSO<sub>4</sub>, tube plugging test) was 15 mg/L.

L8 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1984:474785 CAPLUS  
 DN 101:74785  
 TI Copolymers from monoethylenically unsaturated mono- and dicarboxylic acids (anhydrides)  
 IN Denzinger, Walter; Hartmann, Heinrich; Trieselt, Wolfgang; Hettche, Albert; Schneider, Rolf; Raubenheimer, Hans Juergen  
 PA BASF A.-G., Fed. Rep. Ger.  
 SO Ger. Offen., 17 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3233777	A1	19840315	DE 1982-3233777	19820911
	EP 103254	A2	19840321	EP 1983-108753	19830906
	EP 103254	A3	19840502		
	EP 103254	B1	19871216		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 31421	E	19880115	AT 1983-108753	19830906
	ES 525510	A1	19840601	ES 1983-525510	19830908
	JP 59064612	A2	19840412	JP 1983-165293	19830909
PRAI	DE 1982-3233777	A	19820911		
	EP 1983-108753	A	19830906		

AB Copolymers of ≥1 monoethylenically unsatd. dicarboxylic anhydride containing 4-6 C, ≥1 monoethylenically unsatd. monocarboxylic acid containing 3-10 C, and, in some cases, other monoethylenically unsatd. monomers are prepared as powders by suspension polymerization at 50-180° in a solvent (other than benzene) in which the monomers are soluble and the copolymer is insol. At least one third of the dicarboxylic anhydride is present in the reactor before the polymerization begins, and the remainder is

added during a time period no greater than the time required to add the first two thirds of the monocarboxylic acid to the reactor. A protective colloid is present in the solvent during copolymn. to prevent agglomeration. The copolymers are used as incrustation inhibitors in laundering. Thus, a mixture of m-xylene 460, maleic anhydride (I) 68, and poly(iso-Bu vinyl ether) (K value 60) 1.7 parts was heated to 139°, treated with 36 parts I (at 70°) during 2 h and a mixture of 104 parts acrylic acid and 10.2 parts tert-Bu2O2 during 3 h, refluxed 2 h, and spray dried to give 199 g powdered copolymer [26677-99-6] (K value 19.9, containing 1.37% monomeric I).

L8 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1984:424128 CAPLUS

DN 101:24128

TI Continuous copolymerization of monoethylenic unsaturated mono- and dicarboxylic acids

IN Denzinger, Walter; Hartmann, Heinrich; Trieselt, Wolfgang; Hettche, Albert; Schneider, Rolf; Raubenheimer, Hans Juergen

PA BASF A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 15 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3233778	A1	19840315	DE 1982-3233778	19820911
	EP 106111	A1	19840425	EP 1983-108754	19830906
	EP 106111	B1	19871209		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 31318	E	19871215	AT 1983-108754	19830906
	ES 525511	A1	19840601	ES 1983-525511	19830908
	JP 59066407	A2	19840414	JP 1983-165294	19830909
	JP 02057804	B4	19901206		
	CA 1241490	A1	19880830	CA 1983-436435	19830909
	US 4725655	A	19880216	US 1986-919583	19861016
PRAI	DE 1982-3233778	A	19820911		
	EP 1983-108754	A	19830906		
	US 1983-530476	A1	19830908		
	US 1984-674370	A1	19841126		
	US 1985-730262	A1	19850506		
	US 1985-811326	A1	19851219		

AB In the title process, 10-60% unsatd. C4-6 dicarboxylic acid, anhydride, or salt is polymerized continuously with 40-90% unsatd. C3-10 monocarboxylic acid or salt (total acids 20-80% neutralized) and 0-20% comonomer in aqueous medium at 60-150° in a reactor cascade. Thus, adding a solution of maleic anhydride 72.3, acrylic acid 150, and H2O 153.4 parts, a solution of 28.5 parts 30% H2O2 and 56 parts H2O, and a solution of 85 parts NaOH in 225 parts H2O to the 1st of 3 reactors (all at 100°) and 100 parts 50% aqueous acrylic acid to the 2nd gave a 37% solution of copolymer [52255-49-9] with K-value (2% aqueous solution, fully neutralized) 46 and unreacted maleic acid content 0.76%.

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

24.75

27.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.57

-6.57

FILE 'MEDLINE' ENTERED AT 12:54:14 ON 18 NOV 2005

FILE LAST UPDATED: 16 NOV 2005 (20051116/UP). FILE COVERS 1950 TO DATE.

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The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.14	28.74
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-6.57

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